UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/712,665	11/12/2003	Manoj Khangaonkar	SVL920030058US1	2592

34663   7590   07/28/2008
MICHAEL J. BUCHENHORNER
8540 S.W. 83 STREET
MIAMI, FL 33143

EXAMINER
DEBNATH, SUMAN

ART UNIT	PAPER NUMBER
2135	

NOTIFICATION DATE	DELIVERY MODE
07/28/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

MICHAEL@BUCHENHORNER.COM
ANA@BUCHENHORNER.COM

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on <u>06 May 2008</u>.
2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) <u>5,8-10 and 18-22</u> is/are pending in the application.
    4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) <u>5,8-10 and 18-22</u> is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a) ☐ All   b) ☐ Some * c) ☐ None of:
        1. ☐ Certified copies of the priority documents have been received.
        2. ☐ Certified copies of the priority documents have been received in Application No. _____.
        3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

1.   Claims 5, 8-10 and 18-22 are pending in this application.

2.   Claims 5 and 18 are presently amended.

3.   Claims 1-4, 6-7 and 11-17 are cancelled.

4.   The text of those sections of Title 35, U.S. Code not included in this action can

be found in a prior Office Action.

Continued Examination Under 37 CFR 1.114

5.   A request for continued examination under 37 CFR 1.114, including the fee set

forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this

application is eligible for continued examination under 37 CFR 1.114, and the fee set

forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action

has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on

05/06/2008 has been entered.

Claim Rejections - 35 USC § 103

6.   Claims 18-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Smith (Patent No.: US 6,604,104 B1) and further in view of Grovit et al. (Pub. No.: US

2003/0074310 A1) (hereinafter "Grovit").

7.   As to claim 18, Smith discloses a method for transmitting high-level data in real

time to one or more enterprises, the method comprising:

receiving, at an agent, from an application, a message comprising high level data

(col. 1, lines 23-31) and a request to process the data by a server, running a target

application program for processing of the data (FIG. 4, FIG. 7, col. 7, lines 5-40);

converting the message into an MQ message using a message queuing protocol

(Smith teaches of converting the message into an MQ message using a message

queuing protocol in order to deliver the data as an MQ message to the queue, e.g., col.

7, lines 5-26);

encrypting the MQ message using a security protocol to provide a secure MQ

message (Smith uses Secured socket layering and secure HTTP to ensure connection

security at the endpoints, e.g. see – col. 10, lines 15-35 and col. 7, lines 5-40); and

transmitting the encrypted MQ message to a first queue manager for storing and

retransmission at a time when the network is suitable for transporting the message to

the server (FIG. 4, col. 7, lines 5-25, "….may also store the messages in a persistent

state until they can be delivered successfully…", see also column 10, lines 15-35 and

col. 7, lines 5-40).

Although Smith doesn't use the claimed invention in a hub and spoke integration

system, it should be noted that receiver acting as a spokes in a hub and sender acting

as a hub in another hub and spoke integration system or vise versa is just an intended

use of the claimed invention. Furthermore, hub and spoke integration system

architecture is well known in the art. Grovit discloses a agent acting as a spoke in a hub

and spoke integrating system and a server acting as a hub in another hub and spoke

integrating system (Grovit, [0114]-[0115], [0117]).

Therefore, it would have been obvious to one of ordinary skill in the art at the

time of the invention was made to modify the teaching of Smith as taught by Grovit in

order to simplify the workflow and minimize timing issues in a business process

integration by implementing hub and spoke architecture.

8.   As to claim 19, Smith discloses wherein the high-level data comprises customer

information (co. 1, lines 15-30).

9.   As to claim 20, Smith discloses wherein transmitting the MQ message further

comprises using a hypertext transfer protocol (col. 10, lines 5-25).

10.   As to claim 21, Smith discloses wherein transmitting the MQ message further

comprises a secure socket layer protocol (col. 10, lines 15-25).

11.   As to claim 22, Smith discloses wherein transmitting the MQ message further

comprises a hypertext transfer protocol over a secure socket layer (col. 10, lines 5-25).

12.   Claims 5 and 8-10 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Feldbaum (Patent No.: US 6,446,206 B1) and further in view of Perry et al. (Pub.

No.: US 2003/0220768 A1) (hereinafter "Perry") and Grovit.

13.   As to claim 5, a method for integrating applications hosted at different enterprises separated by at least one firewall, the method comprising steps of:

Feldbaum discloses receiving at an agent, data from a source application program (FIG. 3, col. 5, lines 15-45, "…..the message queuing system allows an application on one machine to send a message to another application on a different machine in an asynchronous manner");

encoding the data according to a message queuing protocol to provide an MQ message (col. 5, lines 38-60);

determining whether the MQ message can be received by a target application program (col. 5, lines 38-60 and col. 8, lines 29-60); and

using a queue manager for:

receiving the MQ message (col. 5, lines 38-60 and col. 8, lines 29-60);

storing the encrypted MQ message for later delivery to the target application program (col. 5, lines 38-60); and

sending a message to the source application program instructing the source application program to stop sending data (col. 5, lines 38-60 and col. 8, lines 29-60),

if the destination program is unable to received the MQ message (col. 5, lines 38-60 and col. 8, lines 29-60); else

transmitting the MQ message to a server for delivery to the target application program, running the target application program for processing of the data (co. 8, lines 29-60).

Feldbaum doesn't explicitly disclose an agent acting as a spoke in a hub and spoke integration system; encrypting the MQ message to provide an encrypted MQ message; receiving and transmitting encrypted MQ message; the server acting as a hub in another hub and spoke integration system.

However, Perry discloses encrypting the MQ message to provide an encrypted MQ message, receiving and transmitting encrypted MQ message (Perry, [0074]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teaching of Feldbaum as taught by Perry in order to increase the security of transmitted message over the public network.

Although neither Feldbaum nor Perry use the claimed invention in a hub and spoke integration system, it should be noted that receiver acting as a spokes in a hub and sender acting as a hub in another hub and spoke integration system or vise versa is just an intended use of the claimed invention. Furthermore, hub and spoke integration system architecture is well known in the art. Grovit discloses a agent acting as a spoke in a hub and spoke integrating system and a server acting as a hub in another hub and spoke integrating system (Grovit, [0114]-[0115], [0117]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the teaching of Feldbaum and Perry as taught by Grovit in order to simplify the workflow and minimize timing issues in a business process integration by implementing hub and spoke architecture.

14.   As to clam 8, Feldbaum discloses further comprising maintaining a record of the

messages received from the source application program (FIG. 3, col. 5, lines 10-60).

15.   As to claim 9, Feldbaum discloses wherein the record of the messages received

from the source application program comprises information on the number of messages

received (FIG. 3, col. 5, lines 10-60).

16.   As to claim 10, Feldbaum discloses wherein the record of the messages received

from the source application program comprises information on type of messages

received (col. 5, lines 10-60, "…the MQ server maintains a plurality of message

queues").

17.   Examiner's note: Examiner has cited particular columns and line numbers in the

references as applied to the claims above for the convenience of the applicant.

Although the specified citations are representative of the teachings in the art and are

applied to the specific limitations within the individual claim, other passages and figures

may be applied as well. It is respectfully requested from the applicant, in preparing the

responses, to fully consider the references in entirety as potentially teaching all or part

of the claimed invention as well as the context of the passage as taught by the prior art

or disclosed by the Examiner.

Response to Arguments

18.   Applicant's arguments filed May 06, 2008 have been fully considered but they

are not persuasive.

Applicant argues that: Independent claim 18 is also not unpatentable over the

cited reference because it recites a method for storing an encrypted MQ message in a

hub and spoke system and transmitting the message at a later time when the target

server (acting as a hub in another hub and spoke system) is able to receive it.

Examiner maintains: Smith teaches encrypting the MQ message using a security

protocol to provide a secure MQ message (Smith uses Secured socket layering and

secure HTTP to ensure connection security at the endpoints, e.g. see – col. 10, lines

15-35 and col. 7, lines 5-40). Furthermore, it should be noted that receiver acting as a

spokes in a hub and sender acting as a hub in another hub and spoke integration

system or vise versa is just an intended use of the claimed invention. However, Grovit

discloses a agent acting as a spoke in a hub and spoke integrating system and a server

acting as a hub in another hub and spoke integrating system ([0114]-[0115], [0117]). It

should be noted that MQ is known for confirm delivery of messages where message is

delivered when receiving party is ready to receive the message otherwise message

stays in the message queues.

Conclusion

19.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to SUMAN DEBNATH whose telephone number is (571)270-1256. The examiner can normally be reached on 8 am to 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Y. Vu can be reached on 571 272-3859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/S. D./
Examiner, Art Unit 2135

/H. S./

Primary Examiner, Art Unit 2135